

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-21. (Canceled)

22. (Withdrawn) A device comprising:

means for receiving a first and a second wireless signal;

means for decoding the first signal subject to a first reception bandwidth setting and the second signal subject to a second reception bandwidth setting different from the first setting; and

means for transitioning to the second setting from the first setting.

23. (Withdrawn) The device of claim 22, wherein transitioning is performed responsive to the first decoded signal.

24. (Withdrawn) The device of claim 23, further comprising:

means for comparing the decoded first signal with a preset code; and

means for determining whether to transition or not to the second setting depending on the comparison.

25. (Withdrawn) The device of claim 24, wherein if it is determined to not transition, the second signal is decoded subject to the first setting instead of the second setting.

26. (Withdrawn) The device of claim 24, wherein the preset code is at least a portion of a preamble.

27. (Withdrawn) The device of claim 24, wherein it is determined to transition if the decoded first signal does not match the preset code.
28. (Withdrawn) The device of claim 27, wherein it is determined to transition if the decoded first signal does not match the preset code after a preset waiting time.
29. (Withdrawn) The device of claim 28, wherein the preset waiting time is approximately two preamble durations.
30. (Withdrawn) The device of claim 24, wherein it is determined to transition if the decoded first signal matches the preset code.
31. (Withdrawn) The device of claim 22, wherein a plurality of reception bandwidth settings are provided, and
the second setting is the one of the plurality that is associated with the largest available reception bandwidth.
32. (Withdrawn) The device of claim 31, wherein the first setting is associated with a bandwidth of approximately 50kHz.
33. (Withdrawn) The device of claim 22, wherein the second setting depends on the first setting.

34. (Withdrawn) The device of claim 33, wherein a plurality of reception bandwidth settings are provided, and

the second setting is the one of the plurality that is associated with the incrementally next smaller available bandwidth than the first setting.

35. (Withdrawn) The device of claim 22, further comprising:

means for determining an active data rate from the decoded first signal, and

wherein a plurality of reception bandwidth settings are provided, and

the second setting is the one of the plurality that is associated with a bandwidth that best fits the active data rate.

36. (Withdrawn) The device of claim 35, wherein the active data rate is determined by determining a bit period between successively received symbols of the decoded first signal.

37. (Withdrawn) The device of claim 35, wherein the decoded first signal is a preamble that has a preassociated data rate, and

the active data rate is determined from the preassociated data rate.

38. (Withdrawn) The device of claim 35, wherein the decoded first signal is a DATA RATE command with an associated data rate instruction, and

the active data rate is determined from the instruction.

39. (Withdrawn) The device of claim 22, wherein transitioning is performed by adjusting a bandwidth of a filter.

40. (Withdrawn) The device of claim 22, wherein transitioning is performed by changing a path of the second received signal compared to the first received signal.

41. (Withdrawn) The device of claim 40, wherein the signal path includes a first filter, and transitioning routes the signal through a second filter.

42-83. (Canceled)

84. (New) An RFID tag comprising:

a decoder operable to decode a first wireless signal received subject to a first reception bandwidth setting; and

a selector switch operable to select, responsive to the first decoded signal, one of a second reception bandwidth setting and a third reception bandwidth setting different from the second reception bandwidth setting, such that the decoder is operable to further decode a subsequently received second signal subject to the selected reception setting.

85. (New) The tag of claim 84, in which the first reception bandwidth is the same as one of the second and the third reception bandwidth settings.

86. (New) The tag of claim 84, in which the first reception bandwidth is different from the second and the third reception bandwidth settings.

87. (New) The tag of claim 84, further comprising:
a filter, and

in which the selector switch adjusts a bandwidth of the filter.

88. (New) The tag of claim 87, in which the filter is an active filter.

89. (New) The tag of claim 87, in which the filter is a passive filter.

90. (New) The tag of claim 87, in which the bandwidth is adjustable continuously over a range.

91. (New) The tag of claim 87, in which the filter includes a capacitor and a switch configured to be switched at a variable rate.

92. (New) The tag of claim 84, further comprising:
a plurality of filters in possible paths of the received signal, and
in which the selector switch is configured to route the received first and second signal through different ones of the paths.

93. (New) The tag of claim 84, in which
the decoder is further adapted to generate a trigger signal responsive to decoding the first signal,
and further comprising:
a filter bandwidth adjuster adapted to control the selector switch responsive to the trigger signal.

94. (New) The tag of claim 84, in which
the decoder is further operable to compare the decoded signal to a preset code, and
the selector switch is operable to select responsive to the comparison.
95. (New) The tag of claim 94, in which the preset code is at least a portion of a preamble.
96. (New) The tag of claim 84, in which
the decoder is operable to determine an active data rate from the first signal, and
the selector switch is operable to select responsive to the active data rate.
97. (New) The tag of claim 96, in which the decoded signal is a preamble that has a
preassociated active data rate.
98. (New) The tag of claim 96, in which the active data rate is determined by determining a
bit period from received symbols of the decoded first signal.
99. (New) The tag of claim 96, in which the decoded signal is a DATA RATE command
indicating the active data rate.
100. (New) A method for operating an RFID tag, comprising:
receiving a first wireless signal;
decoding the first signal subject to a first reception bandwidth setting;

selecting, responsive to the first decoded signal, one of a second reception bandwidth setting and a third reception bandwidth setting different from the second reception bandwidth setting;

receiving a second wireless signal; and

decoding the second signal subject to the selected setting.

101. (New) The method of claim 100, in which the first reception bandwidth is the same as one of the second and the third reception bandwidth settings.

102. (New) The method of claim 100, in which the first reception bandwidth is different from the second and the third reception bandwidth settings.

103. (New) The method of claim 100, in which selecting is performed by adjusting a bandwidth of a filter.

104. (New) The method of claim 100, in which selecting is performed by changing a path of the second received signal in response to the first received signal.

105. (New) The method of claim 100, in which
the signal path includes a first filter, and
selecting routes the signal through a second filter.

106. (New) The method of claim 100, further comprising:
generating a trigger signal, and

in which selecting is performed responsive to the trigger signal.

107. (New) The method of claim 100, further comprising:

selecting a fourth reception bandwidth setting different from the first, second, and third settings;

receiving a third wireless signal; and

decoding the third signal subject to the fourth setting.

108. (New) The method of claim 100, further comprising:

comparing the decoded signal to a preset code, and

in which selecting is performed responsive to the comparison.

109. (New) The method of claim 108, in which the preset code is at least a portion of a preamble.

110. (New) The method of claim 100, in which

decoding includes determining an active data rate from the first signal, and

selecting is performed responsive to the active data rate.

111. (New) The method of claim 110, in which the decoded signal is a preamble that has a preassociated active data rate.

112. (New) The method of claim 110, in which the active data rate is determined by determining a bit period from received symbols of the decoded first signal.

113. (New) The method of claim 110, in which the decoded signal is a DATA RATE command indicating the active data rate.

114. (New) A circuit for an RFID tag, comprising:

a decoder operable to decode a first wireless signal received subject to a first reception bandwidth setting; and

a selector switch operable to select, responsive to the first decoded signal, one of a second reception bandwidth setting and a third reception bandwidth setting different from the second, such that the decoder is operable to further decode a subsequently received second signal subject to the selected reception setting.

115. (New) The circuit of claim 114, in which the first reception bandwidth is the same as one of the second and the third reception bandwidth settings.

116. (New) The circuit of claim 114, in which the first reception bandwidth is different from the second and the third reception bandwidth settings.

117. (New) The circuit of claim 114, further comprising:

a filter, and

in which the selector switch adjusts a bandwidth of the filter.

118. (New) The circuit of claim 117, in which the filter is an active filter.

119. (New) The circuit of claim 117, in which the filter is a passive filter.

120. (New) The circuit of claim 117, in which the bandwidth is adjustable continuously over a range.

121. (New) The circuit of claim 117, in which the filter includes a capacitor and a switch configured to be switched at a variable rate.

122. (New) The circuit of claim 114, further comprising:
a plurality of filters in possible paths of the received signal, and
in which the selector switch routes the received first and second signal through different ones of the paths.

123. (New) The circuit of claim 114,
in which the decoder is further adapted to generate a trigger signal responsive to decoding the first signal, and
further comprising: a filter bandwidth adjuster adapted to control the selector switch responsive to the trigger signal.

124. (New) The circuit of claim 114, in which
the decoder is further operable to compare the decoded signal to a preset code, and
the selector switch is operable to select responsive to the comparison.

125. (New) The circuit of claim 124, in which the preset code is at least a portion of a preamble.

126. (New) The circuit of claim 114, in which
the decoder is operable to determine an active data rate from the first signal, and
the selector switch is operable to select responsive to the active data rate.
127. (New) The circuit of claim 126, in which the decoded signal is a preamble that has a
preassociated active data rate.
128. (New) The circuit of claim 126, in which the active data rate is determined by
determining a bit period from received symbols of the decoded first signal.
129. (New) The circuit of claim 126, in which the decoded signal is a DATA RATE command
indicating the active data rate.